

AMENDMENTS TO THE CLAIMS:

Claims 23-34 are canceled without prejudice or disclaimer. Claims 35-51 are added. The following is the status of the claims of the above-captioned application, as amended.

Claims 1-34 (Canceled).

Claim 35 (New). An isolated polypeptide having cellobiohydrolase II activity, selected from the group consisting of:

(a) a polypeptide having an amino acid sequence which has at least 90% identity with the sequence of amino acids 1-477 of SEQ ID NO: 2,

(b) a polypeptide which is encoded by a nucleotide sequence which hybridizes under high stringency conditions with the complementary strand of nucleotides 63 to 263, nucleotides 63 to 563 and/or nucleotides 63 to 1493 of SEQ ID NO: 1, and

(c) a fragment of the sequence of amino acids 1-477 of SEQ ID NO: 2 wherein the fragment has cellobiohydrolase II activity.

Claim 36 (New). The polypeptide of claim 35, having an amino acid sequence which has at least 90% identity with the sequence of amino acids 1-477 of SEQ ID NO: 2.

Claim 37 (New). The polypeptide of claim 35, having an amino acid sequence which has at least 95% identity with the sequence of amino acids 1-477 of SEQ ID NO: 2.

Claim 38 (New). The polypeptide of claim 35, having an amino acid sequence which has at least 96% identity with the sequence of amino acids 1-477 of SEQ ID NO: 2.

Claim 39 (New). The polypeptide of claim 35, having an amino acid sequence which has at least 97% identity with the sequence of amino acids 1-477 of SEQ ID NO: 2.

Claim 40 (New). The polypeptide of claim 35, having an amino acid sequence which has at least 98% identity with the sequence of amino acids 1-477 of SEQ ID NO: 2.

Claim 41 (New). The polypeptide of claim 35, having an amino acid sequence which has at least 99% identity with the sequence of amino acids 1-477 of SEQ ID NO: 2.

Claim 42 (New). The polypeptide of claim 35, having an amino acid sequence of amino acids 1-477 of SEQ ID NO: 2.

Claim 43 (New). The polypeptide of claim 35, which is encoded by a nucleotide sequence which hybridizes under high stringency conditions with the complementary strand of nucleotides 63 to 263 of SEQ ID NO: 1.

Claim 44 (New). The polypeptide of claim 35, which is encoded by a nucleotide sequence which hybridizes under high stringency conditions with the complementary strand of nucleotides 63 to 563 of SEQ ID NO: 1.

Claim 45 (New). The polypeptide of claim 35, which is encoded by a nucleotide sequence which hybridizes under high stringency conditions with the complementary strand of nucleotides 63 to 1493 of SEQ ID NO: 1.

Claim 46 (New). The polypeptide of claim 35, which is encoded by a nucleotide sequence which hybridizes under very high stringency conditions with the complementary strand of nucleotides 63 to 263 of SEQ ID NO: 1.

Claim 47 (New). The polypeptide of claim 35, which is encoded by a nucleotide sequence which hybridizes under very high stringency conditions with the complementary strand of nucleotides 63 to 563 of SEQ ID NO: 1.

Claim 48 (New). The polypeptide of claim 35, which is encoded by a nucleotide sequence which hybridizes under very high stringency conditions with the complementary strand of nucleotides 63 to 1493 of SEQ ID NO: 1.

Claim 49 (New). The polypeptide of claim 35, which is a fragment of the sequence of amino acids 1-477 of SEQ ID NO: 2 wherein the fragment has cellobiohydrolase II activity.

Claim 50 (New). A detergent composition comprising a surfactant and a polypeptide of claim 35.

- Claim 51 (New) A method for producing ethanol, comprising
- (a) contacting biomass with a polypeptide of claim 35, and
 - (b) recovering the ethanol.